

# Converting Colors

$Yxy(60.1359, 0.2516, 0.2813)$

Have a look what the booklet for  
Yxy(60.1359, 0.2516, 0.2813)  
contains.

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# Color

**Yxy(60.3259, 0.2513, 0.2816)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	99D3FB
RGB	153, 211, 251
RGB Percent	60%, 83%, 98%
CMY	0.4002, 0.1725, 0.0157
CMYK	0.39, 0.16, 0.00, 0.02
HSL	204°, 92%, 79%
HSV	204°, 39%, 98%
XYZ	53.8349, 60.3259, 100.0647
YIQ	198.2180, -47.4080, 0.1440

# Conversions

## Conversions Part 2

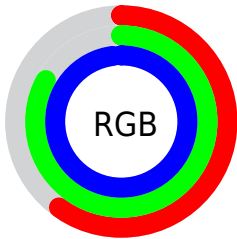
Format	Color
<a href="#">RYB</a>	<a href="#">153, 189, 251</a>
Decimal	<a href="#">10081275</a>
CIELab	<a href="#">82.02, -8.79, -25.46</a>
CIELCh	<a href="#">82, 26.930, 250.960</a>
Yxy	<a href="#">60.3259, 0.2513, 0.2816</a>
Android (android.graphics.Color)	<a href="#">4288271355 (0xFF99D3FB)</a>
YUV	<a href="#">198.2180, 26.0215, -39.6562</a>
Hunter-Lab	<a href="#">77.6697, -12.1992, -22.0166</a>

# Details

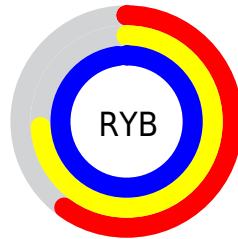
The Yxy color **60.3259, 0.2513, 0.2816** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.9128, 0.3939, 0.3715**, and the grayscale version is **56.4669, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **30.5504, 0.2369, 0.2708** is the 20% darker color. If you saturate the color by 10%, you get **53.2137, 0.2364, 0.2669**, and if you desaturate by 10%, it is **68.2801, 0.2669, 0.2954**.

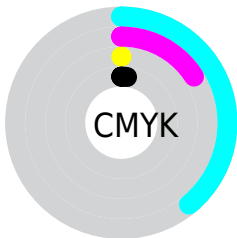
# Distribution



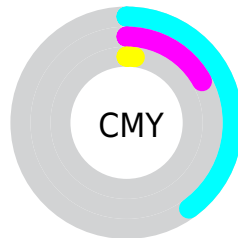
- Red (60%)
- Green (83%)
- Blue (98%)



- Red (60%)
- Yellow (74%)
- Blue (98%)



- Cyan (39%)
- Magenta (16%)
- Yellow (0%)
- Black (2%)




- Cyan (40%)
- Magenta (17%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.3259, 0.2513, 0.2816 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 60.3259, 0.2513, 0.2816 by changing the saturation by 10% instead.




 60.3259, 0.2513,  
0.2816


 60.3259, 0.2513,  
0.2816


425.7980, 0.2800,  
0.3043

 43.6814, 0.2448,  
0.2763

 105.3023, 0.2613,  
0.2896

 30.4201, 0.2367,  
0.2696


 134.4029, 0.2651,  
0.2927

 20.1577, 0.2265,  
0.2611


168.4244, 0.2685,  
0.2953

 12.5097, 0.2133,  
0.2498

207.7511, 0.2714,  
0.2976

 7.0918, 0.1955,  
0.2343

252.7674, 0.2739,  
0.2996

 3.5196, 0.1707,  
0.2119

303.8577, 0.2761,

 1.4086, 0.1345,

0.3014

0.1775

361.4065, 0.2782,  
0.3029

0.2231, 0.0000,  
0.0832

0.0000, 0.0000,  
0.0000

60.3259, 0.2513,  
0.2816

60.3259, 0.2513,  
0.2816

53.2137, 0.2364,  
0.2669

68.2801, 0.2669,  
0.2954

46.8980, 0.2225,  
0.2514

77.1047, 0.2828,  
0.3080

41.3389, 0.2103,  
0.2355

86.8352, 0.2987,  
0.3196

36.4887, 0.1999,  
0.2194

97.5025, 0.3142,  
0.3299

■ 32.2919, 0.1918,  
0.2036

■ 99.7445, 0.3150,  
0.3328

■ 28.6687, 0.1858,  
0.1883

■ 28.3491, 0.1853,  
0.1869

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



60.3259, 0.2494, 0.3043



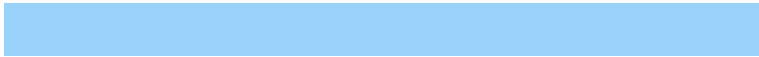
60.3259, 0.2513, 0.2816



60.3259, 0.2686, 0.2725

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



60.3259, 0.2513, 0.2816



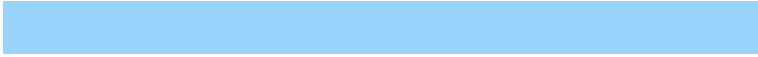
60.3259, 0.3640, 0.3192



60.3259, 0.3245, 0.3880

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



60.3259, 0.2513, 0.2816



60.9128, 0.3939, 0.3715

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



60.3259, 0.3566, 0.3891



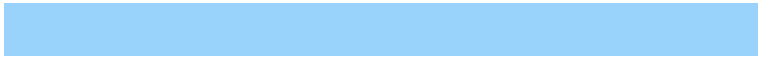
60.3259, 0.2513, 0.2816



60.3259, 0.3805, 0.3477

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



60.3259, 0.2513, 0.2816



60.3259, 0.3331, 0.2941



60.3259, 0.3775, 0.3734

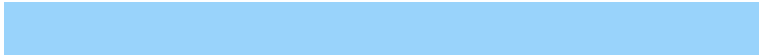


60.3259, 0.2904, 0.3681



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60.3259, 0.2513, 0.2816



60.3259, 0.2872, 0.2743



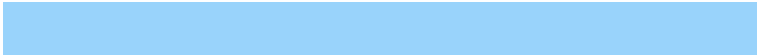
60.3259, 0.3775, 0.3734



60.3259, 0.3358, 0.3905

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



60.3282, 0.2513, 0.2816



86.9474, 0.2940, 0.3163



79.5692, 0.2872, 0.3998



18.3243, 0.2919, 0.3148



0.0000, 0.0000, 0.0000

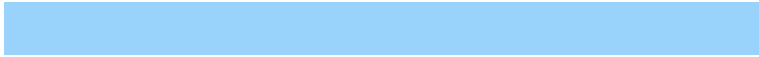


21.4041, 0.3127, 0.3290

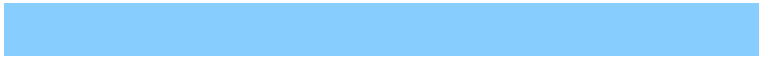


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



60.3282, 0.2513, 0.2816



56.5896, 0.2393, 0.2699



39.8392, 0.2421, 0.2212



18.3522, 0.2980, 0.3191



15.1963, 0.1860, 0.1894



1.6158, 0.1910, 0.2077



# Inverse Universe

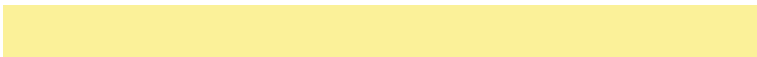
The Inverse Universe completely reimagines the original color for something new.



47.9777, 0.3525, 0.2688



43.0925, 0.3641, 0.2569



85.8270, 0.3749, 0.4177



17.3978, 0.3201, 0.3150



11.9450, 0.4575, 0.2294

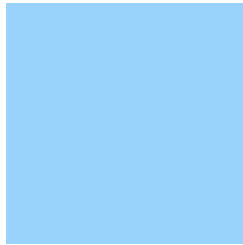


1.1273, 0.4366, 0.2179



# Previews

## White Background



This preview shows how the Yxy color 60.3259, 0.2513, 0.2816 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

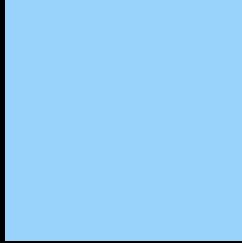
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.3259, 0.2513, 0.2816 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

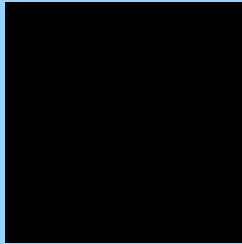
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 60.3259, 0.2513, 0.2816**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.3259, 0.2513, 0.2816.



This preview shows how white text looks on a background with the Yxy color 60.3259, 0.2513, 0.2816.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

60.3259, 0.2513, 0.2816

### Protanopia

59.7743, 0.2789, 0.2803

### Deuteranopia

59.8729, 0.2747, 0.2681



## Tritanopia

60.2152, 0.2589, 0.3067

# Trichromacy



**Original Color**

60.3259, 0.2513, 0.2816

**Protanomaly**

59.9617, 0.2677, 0.2806

**Deuteranomaly**

59.6275, 0.2653, 0.2721

**Tritanomaly**

60.3045, 0.2561, 0.2973

# Monochromacy



**Original Color**

60.3259, 0.2513, 0.2816

**Achromatopsia**

56.4712, 0.3127, 0.3290

**Achromatomaly**

57.6667, 0.2877, 0.3120

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.3259, 0.2513, 0.2816 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(153, 211, 251)` looks like.

```
.text, #text, p{  
    color:rgb(153, 211, 251)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(153, 211, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 211, 251) }
```

## Border

The CSS property to change the border of an element to Yxy 60.3259, 0.2513, 0.2816 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 211, 251) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(153, 211, 251) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(153, 211, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 211, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 211, 251);  
box-shadow:4px 4px 4px 4px rgb(153, 211,  
251) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.3259, 0.2513, 0.2816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 211, 251) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(153,  
211, 251) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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